

WHAT IS CLAIMED IS:

1. An electronic timepiece comprising:
  - a first power source;
  - a clock circuit connected to the first
  - 5 power source;
  - a power source input detecting circuit for detecting an input of a second power source;
  - a switch circuit for connecting the first power source and the second power source; and
  - 10 a control circuit for controlling the switch circuit to connect the first power source and the second power source so that the first power source is charged by the second power source, thereby operating the clock circuit, when the power source input detecting
  - 15 circuit detects an input of the second power source.
2. The electronic timepiece according to claim 1, wherein
  - the second power source has a capacity
  - larger than that of the first power source.
- 20 3. The electronic timepiece according to claim 1, wherein
  - the switch circuit has a first switch that connects the first power source and the second power
  - source in parallel, and a second switch that is connected
  - 25 in parallel to the first switch, and when the power source input detecting circuit detects the input of the second power source, the control circuit turns on the second switch to connect the first power source and the second power source.
- 30 4. The electronic timepiece according to claim 3, further comprising:
  - a power generator; and
  - a voltage detector for turning on the first switch when the power generator sufficiently
  - 35 charges the second power source.
5. The electronic timepiece according to claim 3, wherein

the control circuit is controlled by the clock circuit.

6. The electronic timepiece according to claim 3, wherein

5 the clock circuit has an oscillating circuit, and

the control circuit is controlled by the clock circuit to turn off the second switch when the oscillating circuit starts oscillating after the second switch was turned on.

10 7. The electronic timepiece according to claim 3, wherein

the control circuit controls to turn off the second switch after a lapse of a predetermined time after the second switch was turned on.

15 8. The electronic timepiece according to claim 3, wherein

the control circuit includes clocking means, and when the clocking means runs for a predetermined time, the control circuit turns off the second switch.

20 9. The electronic timepiece according to claim 3, wherein

the control circuit is controlled by the clock circuit to turn off the second switch after a lapse of a constant time after the oscillating circuit starts oscillating after the second switch was turned on.

25 10. The electronic timepiece according to claim 3, further comprising a power generator, wherein

30 the control circuit controls to turn off the second switch when it is detected that the power generator means generates power after the second switch was turned on.

35 11. The electronic timepiece according to claim 3, further comprising a comparator circuit that operates so as not to turn on the second switch when the voltage of the second power source is at or below a predetermined

voltage.

12. The electronic timepiece according to claim 1,  
wherein

5 the switch circuit has a first switch that  
connects the first power source in parallel to the second  
power source and, when the power source input detecting  
circuit detects that the second power source is input,  
the control circuit turns on the first switch to connect  
the first power source and the second power source.

10 13. The electronic timepiece according to claim 12,  
further comprising:

a power generator; and  
a voltage detector for turning on the  
first switch when the power generator sufficiently  
15 charges the second power source.

14. The electronic timepiece according to claim 12,  
wherein

the control circuit is controlled by the  
clock circuit.

20 15. The electronic timepiece according to claim 12,  
wherein

the clock circuit has an oscillating  
circuit, and

25 the control circuit is controlled by the  
clock circuit to keep the first switch in the on state  
until when the oscillating circuit starts oscillating  
after the first switch was turned on.

16. The electronic timepiece according to claim 12,  
wherein

30 the control circuit controls to keep the  
first switch in the on state until a predetermined time  
has passed after the first switch was turned on.

17. The electronic timepiece according to claim 12,  
wherein

35 the control circuit includes clocking  
means, and when the clocking means runs for a  
predetermined time, the control circuit turns on the

first switch.

18. The electronic timepiece according to claim 12,  
wherein

5                   the control circuit is controlled by the  
clock circuit to keep the first switch in the on state  
until a constant time has passed after the oscillating  
circuit starts oscillating after the first switch was  
turned on.

10           19. The electronic timepiece according to claim 12,  
further comprising power generator, wherein

                  the control circuit controls to keep the  
first switch in the on state until it is detected that  
the power generator generates power after the first  
switch was turned on.

15           20. The electronic timepiece according to claim 12,  
further comprising a comparator circuit that operates so  
as not to turn on the first switch when the voltage of  
the second power source is at or below a predetermined  
voltage.